revos FLEX

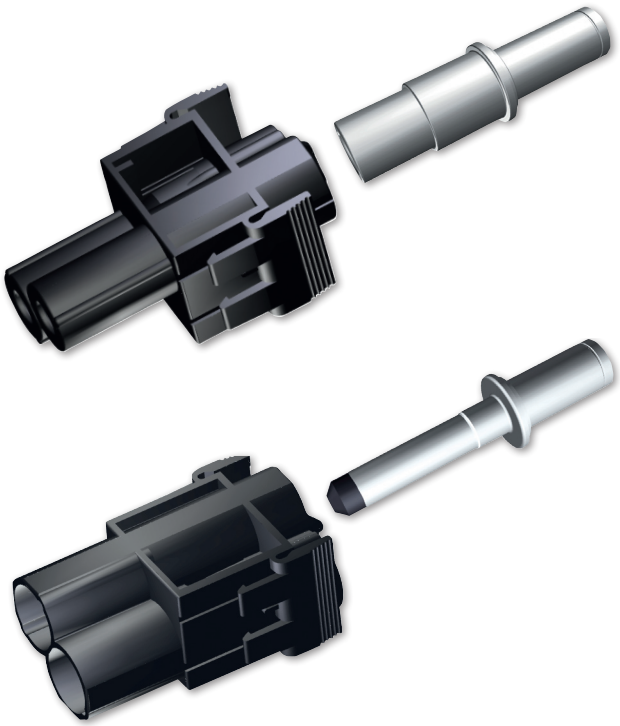
wieland

contacts are green.

Industrial multi-pole connectors
revos FLEX HC 2M

Description

The **revos** FLEX HC high-current modules family is supplemented by a further crimp version. The inserts fit the BASIC housings sizes 6H, 10H, 16H, 24H. Connection is made by using the proven turned crimp contacts Ø 6 mm and ranges from 16, 25 and 35 mm² at a rated voltage of 1000 V.



Features

- Used for **revos** BASIC housings, sizes: 6H, 10H, 16H, 24H
- Rated voltage 1000 V
- Rated current 150 A
- Mixed contacts: signal and power in one connector

Advantages

- Easy assembly and disassembly with the module frames
- Very space-saving and compact design

Description	Type	Part. No.	P.U.	Type			Part. No.	P.U.
revos FLEX HC 2M high current module crimp connection	Modular insert female			Modular insert male				
	FLE BUC 2 35 1	78.006.0253.0	10	FLE STC 2 35 1			78.016.0253.0	10
Electrical Characteristics								
Rated voltage acc. EN 60664-1	1000 V							
Pollution degreed	3							
Installation (over voltage) category	III							
Rated impulse withstand voltage	8.0 kV							
Rated current (ϑ_{amb}=40°C) & 35mm² wire	150 A							
Contact resistance	< 1 mOhm							
Insulation resistance	> 10^8 Ohm			**Contacts**	**mm² /AWG**			
Materials				Female contact	16	6	02.126.7421.8	20
Material for insulating housing	PA			Female contact	25	4	02.126.7521.8	20
Colour	black			Female contact	35	2	02.126.7621.8	20
Flammability	V0/UL94							
Contacts	Cu-alloy			Male contact	16	6	05.546.2721.8	20
Surface of contacts	Ag (silver)			Male contact	25	4	05.546.2821.8	20
Temperature range acc. IEC 60068-1	- 40 °C up to + 120 °C			Male contact	35	2	05.546.2921.8	20
System characteristics								
Connection technology	crimp connection							
Number of poles	2							
Mating cycles	max. 500							
Accessories	**Type**	**Part. No.**	**P.U.**					
Crimp tool		95.000.1000.0	1	Also Pneumatic crimp tool Klauke Typ 60/22-L usable!				
Crimp die	for 16 mm²	05.502.4600.0	1					
Crimp die	for 25 mm²	05.502.4700.0	1					
Crimp die	for 35 mm²	05.502.4800.0	1					
Cable lug for PE		05.581.4027.6	10					

CUSTOMERINFORMATION

contacts are green.

wieland

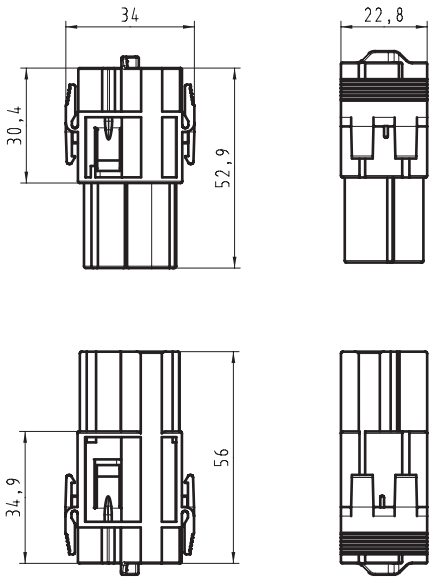
Headquarters:
Wieland Electric GmbH
Brennerstraße 10 – 14
D-96052 Bamberg

Sales Center:
Wieland Electric GmbH
Benzstraße 9
D-96052 Bamberg

Phone +49 951 93 24-0
Fax +49 951 93 24-198
www.wieland-electric.com
info@wieland-electric.com

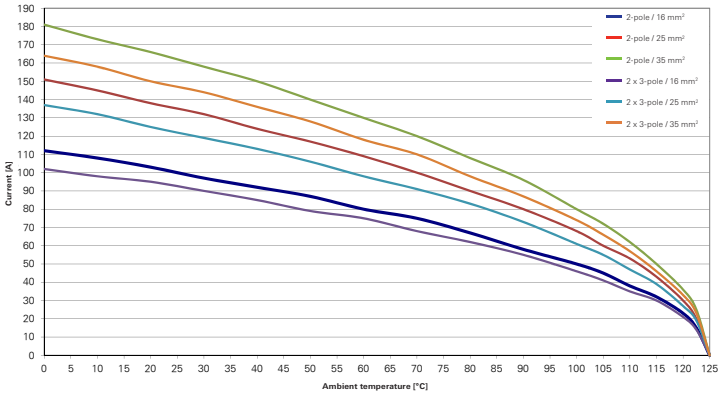
Technical information

Dimensions



Derating curve according to IEC 60512 sec. 3

revosFLEX high current module 78.006/016.0253.0 1000 V / 150 A



General requirements

- Due to reduced cross sections at PE contacts of frames, the PE contact has to be additionally protected against short circuits by using a protection circuit offering a sufficiently short breaking time (< 0,25 s).
- Parts to be used as connectors, not as plug devices (connector with breaking capcity). Do not mate under current or voltage!

Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, tension spring or push-in connection technology
  - Wire cross sections up to 240 mm²
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safe signal acquisition
  - Safety switching devices
  - Modular safety modules
  - Compact safety controllers
  - Application consulting and training
- Network engineering and fieldbus systems
  - Remote maintenance via VPN industrial router and VPN service portal
  - Industrial Ethernet switches
  - PLC and I/O systems, standard and increased environmental conditions
- Interface
  - Power supply units
  - Overvoltage protection
  - Coupling relays, semiconductor switches
  - Timer relays, measuring and monitoring relays
  - Analog coupling and converter modules
  - Passive interfaces

Solutions for field applications

- Decentralized installation and automation technology
  - Electrical installation for wind tower
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Rectangular and round connectors
  - Aluminum or plastic housings
  - Degree of protection up to IP68
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application-specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
  - Main power supply connectors IP20/ IP65 ... IP68
  - Bus connectors
  - Low-voltage connectors
  - Power distribution system with flat cables
  - Distribution systems
  - Bus systems in KNX, LON and wireless technology
  - DIN rail terminal blocks for electrical installations
  - Overvoltage protection